

What is claimed is:

1. A vehicle comprising:
  - a. a frame comprising a plurality of frame members;
  - b. an engine disposed on the frame;
  - c. a straddle seat disposed on the frame for accommodating a rider;
  - d. a handlebar disposed on the frame for steering the vehicle;
  - e. a front suspension disposed on the frame;
  - f. at least a front wheel disposed on the front suspension;
  - g. a rear suspension disposed on the frame, the rear suspension comprising a rear swing arm pivotally connected to the frame and a shock absorber operatively disposed between the frame and the rear swing arm;
  - h. at least one rear wheel disposed on the rear swing arm; and
  - i. a continuously variable transmission operatively connecting the engine to the at least one rear wheel, the continuously variable transmission comprising a housing that comprises at least one of the plurality of frame members.
2. The vehicle of claim 1, wherein the frame is a unitary structure.
3. The vehicle of claim 1, wherein a load transmitted to the frame by the rear swing arm is borne by the housing.
4. The vehicle of claim 1, wherein a load transmitted to the frame by the swing arm is borne by the housing and the rear shock absorber.
5. The vehicle of claim 1, wherein the continuously variable transmission further comprises a drive pulley and a driven pulley, the driven pulley comprising a

centrifugal clutch and a ramp, the centrifugal clutch and the ramp being proximally disposed on the driven pulley.

6. The vehicle of claim 4, wherein the vehicle has only one front wheel and one rear wheel.
7. The vehicle of claim 4, wherein the vehicle has two front wheels and one rear wheel.
8. The vehicle of claim 4, wherein the vehicle has two front wheels and two rear wheels.
9. The vehicle of claim 4, wherein the frame members are separately manufactured.
10. The vehicle of claim 1, wherein the frame defines a storage bin between the handlebar and the seat that is sized to accommodate a helmet.
11. The vehicle of claim 1, wherein the continuously variable transmission further comprises a drive pulley and a driven pulley, the swing arm pivot axis being substantially aligned with the driven pulley axis.
12. The vehicle of claim 11, wherein the driven pulley axis is coaxial with the swing arm pivot axis.
13. The vehicle of claim 1, wherein the housing is the lowest-most frame member.
14. A vehicle comprising:
  - a. a frame comprising a plurality of frame members;
  - b. a continuously variable transmission comprising a drive pulley, a driven pulley and a housing, the housing comprising one of the plurality of frame members;
  - c. a gearbox disposed proximal to the driven pulley;
  - d. a centrifugal clutch operatively connected to the driven pulley;

- e. an engine disposed on the frame;
  - f. a straddle seat disposed on the frame for accommodating a rider;
  - g. a handlebar disposed on the frame for steering the vehicle;
  - h. a front suspension disposed on the frame;
  - i. at least a front wheel disposed on the front suspension;
  - j. a rear suspension disposed on the frame; and
  - k. a swing arm pivotally mounted to the frame about a pivot axis; and
  - l. at least a rear wheel disposed on the swing arm.
15. The vehicle of claim 14, wherein the gearbox is a planetary type gearbox.
16. The vehicle of claim 15, wherein the planetary type gearbox has a center of rotation defining an axis, the axis being substantially coaxial with the driven pulley axis.
17. The vehicle of claim 14, wherein the centrifugal clutch has a center of rotation defining an axis, the axis being substantially coaxial with the driven pulley.
18. The vehicle of claim 14, further comprising a brake, the brake having a center of rotation defining an axis, the axis being substantially coaxial with the driven pulley.
19. The vehicle of claim 14, further comprising drive system including a drive sprocket and a driven sprocket, the drive sprocket having a center of rotation defining an axis, the axis being substantially coaxial with the driven pulley.
20. A vehicle comprising:
- a. a frame including a plurality of frame members;
  - b. an engine disposed on the frame;
  - c. a straddle seat disposed on the frame for accommodating a rider;
  - d. a handlebar disposed on the frame for steering the vehicle;

- e. a front suspension disposed on the frame;
- f. at least a front wheel suspended from the front suspension;
- g. a rear suspension disposed on the frame, the rear suspension comprising a shock absorber;
- h. a storage bin disposed between the handlebar and the straddle seat that is sized to accommodate at least one helmet;
- i. a continuously variable transmission disposed on the frame, the continuously variable transmission being completely supported by the front suspension and the rear suspension;
- j. a swing arm pivotally mounted to the frame about a pivot axis; and
- k. a frame member means for transmitting power from the engine to the wheel.